

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ROLFE C. ANDERSON et al.  
Serial No: 09/751,658  
Filed: December 31, 2000  
For: INTEGRATED NUCLEIC ACID DIAGNOSTIC DEVICE

Examiner: W. Beisner  
Art Unit: 1744

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

**RESPONSE**

In response to the Communication dated April 11, 2002, Applicants enclose a clean version of Amended claim 90 (originally submitted on Feb. 13, 2002).

In the Claims:

90. A method of repeatedly measuring a known volume of a fluid in a miniature fluidic system, comprising:

providing a microfabricated device having at least first and second chambers disposed therein, wherein said at least first and second chambers are in fluid connection, each comprise at least one vent port, and wherein at least one of said chambers is a volumetric chamber having a known volume;

filling said volumetric chamber with said fluid to create a first aliquot of said fluid;  
transporting said first aliquot of said fluid to said at least second chamber; and  
repeating said filling and transporting steps by applying pressure from an external source.

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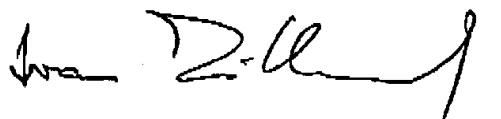
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**Remarks**

This Communication supplements the Response filed on February 13, 2002, by providing a clean version of amended claim 90. (There were no other amended claims.)

Please charge all PTO fees and apply all credits to the Deposit Account No. 01-0431.

Respectfully submitted,



May 6, 2002

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**FACSIMILE COVER SHEET**

**DATE:** May 6, 2002

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**To:** Examiner William H. Beisner  
U.S. Patent and Trademark Office  
Art Unit 1744

**Phone Number:** 703-308-4006

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**Applicant:** ROLFE C. ANDERSON et al.

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**Official Communication in response to  
PTO Action dated April 11, 2002**

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the enclosed total of 3 pages including a cover sheet is being facsimile transmitted to the fax number shown above, in the above-referenced application, to the Patent and Trademark Office on the date shown below.

Typed or Printed Name of Person: Ivan D. Zitkovsky, Reg. No. 37,482

Date: May 6, 2002

Signing Certification

*Ivan D. Zitkovsky*